

1    **Claims**

2    1.   A nail stapler including a magazine for storing nails, a jam-proof  
3       nozzle and a hammering device capable of hammering leading one  
4       of the nails more than once until it hammers the leading nail  
5       completely into an object.

6    2.   The nail stapler according to claim 1 wherein the hammering device  
7       includes a trigger and a hammer that is moved when the trigger   is  
8       pulled.

9    3.   The nail stapler according to claim 2 wherein the magazine includes  
10       a space in order to store the nails and a spring-biased pusher in the  
11       space so as to push the nails to the nozzle.

12   4.   The nail stapler according to claim 3 wherein the jam-proof nozzle  
13       prevents jam via allowing only leading one of the nails to the  
14       hammer.

15   5.   The nail stapler according to claim 4 wherein the jam-proof nozzle  
16       allows only the leading nail to the hammer via restraining the other  
17       nails from the hammer.

18   6.   The nail stapler according to claim 5 wherein the jam-proof nozzle  
19       includes a plate including a slot through which the nails can be  
20       transferred, a restraint for restraining at least one of the nails other  
21       than the leading nail and a security device for controlling both of the  
22       restraint and the trigger.

23   7.   The nail stapler according to claim 6 wherein the security device  
24       includes a V-shaped body for controlling the restraint and an arm  
25       raised from the V-shaped body for controlling the trigger.

26   8.   The nail stapler according to claim 7 wherein the V-shaped body

1 includes a first prong for controlling the restraint and a second prong  
2 from which the arm is raised.

3 9. The nail stapler according to claim 6 wherein the security device is  
4 movable in a vertical path relative to the plate while the restraint is  
5 movable in an inclined path relative to the plate.

6 10. The nail stapler according to claim 9 wherein the restraint includes  
7 two inclined slots through which two fasteners are driven into the  
8 plate.

9 11. The nail stapler according to claim 6 wherein the restraint includes a  
10 protrusion for pressing at least one of the nails other than the leading  
11 nail.

12 12. The nail stapler according to claim 6 including a spring compressed  
13 between a portion of the plate and a portion of the restraint.

14 13. The nail stapler according to claim 6 including a spring compressed  
15 between a portion of the restraint and a portion of the security  
16 device.

17 14. The nail stapler according to claim 6 wherein the plate includes a  
18 cavity in a front face thereof for receiving the restraint.

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